TABLE 2.—*Instrumental reports*—Continued.

Date.	Character.	Phase.	Time.	Period T	Amplitude. A_E	Amplitude. A_N	Distance.	Remarks.
Vermont. *Northfield. U. S. Weather Bureau.* Wm. A. Shaw. Lat., 44° 10′ N.; long., 72° 41′ W. Elevation, 256 meters. Instruments: Two Bosch-Omori, mechanical registration. Instrumental constants.. V: E 10, N 10; T_0: 15, 16								
1915 Nov. 1	I_E	P_E?...	*H. m. s.* 7 37 06	*Sec.*	μ	μ	*Km.* 9,280?	
		S.....	7 47 30					
		eL....	8 07 00					Maxima on E-W more pronounced than on N-S.
		F.....	10 00 00					
21	III_E....	P?....	0 20 40				3,675?	Phases masked by microseisms.
		S.....	0 26 08					
		L.....	0 29 17	12				
		M_N....	0 33 05					
		M_E....	0 35 12					
		F.....	2 00 00					
26	.....	M.....	19 35 05					Earthquake southwest of Panama. Beginning of all phases indiscernible.
		F.....	19 45 00					
30	.....	M.....	5 04 19					All phases indistinct. Maximum very small.
		F.....	5 06 40					
Canada. *Ottawa. Dominion Astronomical Observatory.* Earthquake Station. Otto Klotz. Lat., 45° 23′ 38″ N.; long., 75° 42′ 57″ W. Elevation, 83 meters. Instruments: Two Bosch photographic horizontal pendulums, one Spindler & Hoyer 80 kg. vertical seismograph. Instrumental constants: V 120, T_0 26								
1915. Nov. 1	.....	P.....	*H. m. s.* 7 37 03	*Sec.* 2	μ	μ	*Km.* 9,340	Off Japan.
		S.....	7 47 30					
		$SR1_E$.	7 53 35					
		L.....	8 07 36	40				
		L.....	8 10 00	20				
		M_E...	8 17 00	20	28			
		M_N...	8 23 00	20		52		Waves from antiepicentershowwell.
		M_E...	8 24 00	16	28			
		M_N...	8 27 00	16		56		
		L_E....	8 33 to 9 04 00	14-16				
		LR...	9 51 00	20				
		LR...	9 56 00	20-18				
		F.....	10 30 00					
18	.....	i_E.....	4 26 06					Strong microseisms mask N-S.
		eL_E...	4 55 00					
		L_E....	4 58 00	18				
		L_E....	5 01 00	18				
		F.....	5 10 00					
21	.....	P_E...	0 20 34	2			3,520	Microseisms mask P_N.
		S.....	0 25 52					
		L_N...	0 28 48	40				
		L_E...	0 29 00					
		M_N...	0 32 30			720		
		M_E...	0 35 00		460			
		L.....	1 00 00	11				
		F.....	3 00 00					
		VERTICAL.						
		M....	*0 34 00*		(A_Z) *650*			
26	.....	P_N...	19 19 33	2			4,140	
		S_E....	19 25 28					
		S_N....	19 25 30					
		L_E....	19 30 48	30				Microseisms mask L_N.
		L_E....	19 34 00	20				
		L_E....	19 35 00	18				
		L_E....	19 36 00	14				
		F.....	19 47 00					

Date.	Character.	Phase.	Time.	Period T	Amplitude. A_E	Amplitude. A_N	Distance.	Remarks.
Canada. *Ottawa, Dominion Astronomical Observatory*—Continued.								
1915 Nov. 30	.....	P_N?...	4 53 09	2	.....	.....	3,900?	
		S_E?...	4 59 50	.....	.....	.....	.....	
		S_N?...	4 59 51	.....	.....	.....	.....	
		eL_E?..	5 03 24	60	.....	.....	.....	
		L_E....	5 05 00	40	.....	.....	.....	
		L_E....	5 07 00	30	.....	.....	.....	
		L_E....	5 08 00	20	.....	.....	.....	
		L_N....	5 09 00	24	.....	.....	.....	
		L.....	5 10 00	20-18	.....	.....	.....	
		F.....	5 15 00	.....	.....	.....	.....	

Canada. *Toronto. Dominion Meteorological Service.*

Lat., 43° 40′ 01″ N.; long., 79° 23′ 54″ W. Elevation, 113.7 meters. Subsoil: Sand and clay.

Instrument: Milne horizontal pendulum, North. In the meridian.

T_0
Instrumental constant.. 18. Pillar deviation, 1 mm. swing of boom=0.59″.

[Report for November, 1915, not received.]

Canada. *Victoria, B. C. Dominion Meteorological Service.*

Lat., 48° 24′ N.; long., 123° 19′ W. Elevation, 67.7 meters. Subsoil: Rock.

Instruments: Wiechert, vertical. Milne horizontal pendulum, North. In the meridian.

T_0
Instrumental constant.. 18. Pillar deviation: 1 mm. swing of boom=0.54″.

[Report for November, 1915, not received.]

SEISMOLOGICAL DISPATCHES.[1]

Rome, via Paris, Nov. 14, 1915.

The royal observatory at Catania reports that the volcano of Stromboli was in violent eruption at 9 o'clock yesterday morning, according to the Stefani agency. Great blocks of lava and ashes have fallen over the entire island. The town of Lipari, on the island of the same name, felt a shock which lasted for a short time. (Assoc. Press.)

Los Angeles, Cal., Nov. 20, 1915.

Accompanying an earthquake shock that rocked the southwest, damaged buildings in Mexico and the Imperial Valley, a volcano at Andrade, Mexico, across the line from Yuma, sprang into activity this afternoon. The shocks were felt as far north as San Diego and reported more or less heavy in all parts of the Imperial Valley. In Mexico they were reported strong. At Calexico walls were cracked and buildings damaged. (Assoc. Press; United Press.)

Canal Zone, Panama, Dec. 1, 1915. (See above Table 2, p. —.)

Ten distinct seismic disturbances were recorded at the Balboa Heights observatory during the four days from November 26 to November 29, inclusive. The first shock, intensity V on the Rossi-Forel scale of I to X, was the heaviest and was similar in many ways to the disturbance that occurred on October 1, 1913. The shocks that followed were comparatively light. The indicated distances of the disturbances varied, but all seem to have had a common origin about 195 to 225 kilometers southwest of Balboa Heights, probably in the neighborhood of Los Santos province. The disturbance that was recorded about midnight of November 29 was over 320 kilometers away, but in all probability occurred along the same fault as those previously recorded. (Assoc. Press.)

[1] Reported by the organization indicated and collected by the seismological station at Georgetown University, Washington, D. C.